

Examiner's Copy

AN 107:181592 HCA
TI Free-cutting copper
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PA Daido Steel Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.

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DT Patent

LA Japanese

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62047443	A2	19870302	JP 1985-184079	19850823
AB	The free-cutting Cu contains In 0.001-0.50%, optionally with Pb, Bi, and/or Te 0.01-0.50% for total including In .1toreq.0.70%. Machinability is improved without lowering of elec. and thermal cond. for in chem. and elec. industries. A microalloyed Cu contg. In 0.02% and O .1toreq.10 ppm was prep'd. in a vacuum induction melting furnace and cast to give an ingot of 30 kg. The ingot showed good workability in hot-forging test at 700-800.degree., good machinability in a cutting test with a drill, and elec. cond. 98% of Cu.				